

AMENDMENTS TO THE ABSTRACT

Please delete the section entitled “ABSTRACT OF THE DISCLOSURE” in its entirety and substitute the following section therefor:

ABSTRACT OF THE DISCLOSURE

An apparatus within a microprocessor is provided including multiple functional units, some of which can enter a power reduction mode to decrease overall power consumption when needed. The functional units generate respective activity signals whose values, in Watts, indicate the power consumed by each of the functional units. The activity outputs are monitored by utilization assessment logic to determine a current total power consumption value, in Watts, for the microprocessor. The microprocessor is capable of successively entering a series of power reduction modes when the current total power consumption value is greater than a threshold power value, in Watts, of a specified power profile where the specified power profile is selected from a plurality of power profiles that are stored within power control logic in the microprocessor, and where a select signal directs the power control logic to select the specified power profile.